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## 1 Routine/Function Prologues

### 1.0.1 noah\_varder.F90 (Source File: noah\_varder.F90)

Module for 1-D NOAH land model driver variable initialization

#### REVISION HISTORY:

Apr 2003; Sujay Kumar, Initial Code

#### INTERFACE:

```
module noah_varder
```

#### USES:

```
use noah_module
use tile_spmdMod
use noahpardef_module
use noahdrv_module
```

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### 1.0.2 noah\_varder.ini (Source File: noah\_varder.F90)

Reads in runtime noah parameters, allocates memory for variables

#### INTERFACE:

```
subroutine noah_varder_ini(nch)
```

#### USES:

```
#if ( defined OPENDAP )
    use opendap_module
#endif
```

#### CONTENTS:

```
if(masterproc) then
    call readnoahcrd(noahdrv)
endif
call def_noahpar_struct
call MPI_BCAST(noahdrv, 1, MPI_NOAHDVRV_STRUCT, 0, &
    MPI_COMM_WORLD, ierr)
#endif ( defined OPENDAP )
noahdrv%noah_albfile = trim(opendap_data_prefix)//'/'// &
    trim(adjustl(ciam))//'/'//noahdrv%noah_albfile
noahdrv%noah_mgfile  = trim(opendap_data_prefix)//'/'// &
    trim(adjustl(ciam))//'/'//noahdrv%noah_mgfile
noahdrv%noah_mxsnal = trim(opendap_data_prefix)//'/'// &
    trim(adjustl(ciam))//'/'//noahdrv%noah_mxsnal
noahdrv%noah_tbott = trim(opendap_data_prefix)//'/'// &
```

```
trim(adjustl(ciam))//'/'//noahdrv%noah_tbot
#endif
if(masterproc) then
  allocate(noah(nch))
else
  allocate(noah(di_array(iam)))
endif
end subroutine noah_varder_ini
```